

WHAT IS CLAIMED IS:

1. A method of rendering a surface of a metal substrate substantially acid impervious, said method comprising:

- 5 a) placing said surface in a field of treatment;
- b) depositing a mixture of a polymer particulate having a temperature resistance of at least about 500°F and a curable powder adhesive on said surface; and
- 10 c) subjecting the metal substrate with said mixture deposited on the surface thereof to a curing treatment sufficient to cure the powder adhesive to thereby adhere the polymer particulate as a film on said surface.

2. A method as claimed in Claim 1 wherein the metal substrate comprises steel.

3. A method as claimed in Claim 1 wherein the polymer particulate is a polyamide having a temperature resistance up to about 700°F.

4. A method as claimed in Claim 3 wherein the powder adhesive is a heat curable polyamide curable at a temperature below about 650°F.

20 5. A method as claimed in Claim 1 wherein the field of treatment is such that electrostatic deposition is employable for depositing said mixture on the surface of the metal substrate.

6. A method of fabricating a steel curing fixture having a coating on a surface thereof to thereby render the surface of the fixture substantially acid impervious, said method

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comprising:

- a) placing said surface in a field of treatment;
- b) depositing a mixture of a polymer particulate having a temperature resistance of at least about 500°F and a curable powder adhesive on said surface; and
- c) subjecting the fixture with said mixture deposited on the surface thereof to a curing treatment sufficient to cure the powder adhesive to thereby adhere the polymer particulate as a film on said surface.

7. A method as claimed in Claim 6 wherein the polymer particulate is a polyamide having a temperature resistance up to about 700°F.

8. A method as claimed in Claim 7 wherein the powder adhesive is a heat curable polyamide curable at a temperature below about 650°F.

9. A method as claimed in Claim 6 wherein the field of treatment is such that electrostatic deposition is employable for depositing said mixture on the surface of the steel curing fixture.

10. A method of fabricating a steel curing fixture having a surface with a coating thereon to thereby render the surface of the fixture substantially acid impervious, said method comprising:

- a) placing said surface in a field of treatment such that electrostatic deposition is employable;
- b) electrostatically depositing a mixture of a

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polyamide particulate and a heat curable polyamide powder adhesive on said surface, with said polyamide particulate temperature resistant up to about 700°F and said adhesive curable at a temperature below about 650°F.; and

5 c) subjecting the fixture with said mixture deposited on the surface thereof to a temperature sufficient to cure the powder adhesive to thereby adhere the polyamide particulate as a film on the surface of the steel curing fixture.

10 11. An acid impervious metal substrate comprising a surface having disposed thereon an acid impervious coating comprising a polyamide particulate and a cured powder adhesive.

12. An acid impervious metal substrate as claimed in
15 Claim 11 wherein the metal substrate comprises steel.

13. An acid impervious metal substrate as claimed in Claim 11 wherein the polyamide particulate is temperature resistant up to about 700°F.

14. An acid impervious metal substrate as claimed in
20 Claim 13 wherein the adhesive is heat curable at a temperature
below about 650°F.

15. An acid impervious steel curing fixture comprising a surface having disposed thereon an acid impervious coating comprising a polyamide particulate and a cured powder adhesive, said polyamide particulate being temperature resistant up to about 700°F., and said adhesive being heat

